

**MQ325A — INORGANIC CHEMICALS
(SHIPMENTS AND PRODUCTION)****DEFINITIONS AND SPECIAL INSTRUCTIONS****1. Scope of survey**

This survey covers all manufacturers of selected inorganic chemicals in the United States.

2. Figures to be reported

Companies with more than one establishment manufacturing the products covered by this survey are requested to complete a separate form for each location. If you have not received a separate report form for each of your establishments, please call the contact shown on the report form or write to the U.S. Census Bureau for additional forms.

a. Production

Report total quantity produced of each specified chemical product, whether sold, transferred, added to inventory, or used in further processing. Unless otherwise instructed, when two or more physical forms of a specific chemical are listed, report production for each form, including quantities which are subsequently used in producing other physical modifications of the chemical. Include products made elsewhere for this establishment on a contract basis from materials supplied by you. Exclude products made for you by others from their materials.

b. Quantity and value of shipments

The figures on quantity and value of shipments should include the physical shipments of all products sold, transferred to other establishments within your company, or shipped on consignment, whether for domestic or export

sale. The value represents the net sales price, f.o.b. plant, to the customer or branch to which the products are shipped, net of discounts, allowances, freight charges, and returns. Shipments to your own branches should be assigned the same value as comparable sales to unaffiliated customers, i.e., the value includes an appropriate allocation of company overhead and profit. Products bought and resold without further manufacture or packaging should not be included in shipments.

c. Units of measure

If possible, please report in terms of the basis and unit of measure requested. If this is not possible, be sure to indicate precisely the basis and unit of measure which actually apply to the reported figures. If neither basis nor unit of measure is indicated on the form, report value of shipments only. (See footnote (1) on Reference List.)

d. Columnar structure of the report

When posting your figures to the original report, please be sure to report the information in the correct columns:

Column 1 — Production

Column 2 — Quantity of shipments

Column 3 — Value of shipments

3. Definitions

The product detail for this survey, as shown in the Reference List, is defined according to standard nomenclature for this industry.

4. Comparability

Data reported in this survey should correspond to data reported in the Economic Census - Manufacturing Sector form. The sum of values for item codes shown in column (a) should correspond to the dollar values reported under product codes indicated in column (b) below:

Current Industrial Reports (CIR) (Form MQ325A)	Economic Census - Manufacturing Sector
Item codes (a)	Product codes (b)
2111, 2115	3251811 100
2421, 2430	3251817 100
3445, 3447, 3451	3251884 100
3511	3313110 100
3617 through 3673	3251887 100
3703 through 3784	325188A 100
3245, 3913-3946, 4006-4120	325188G 100
6111	3251311 100

REFERENCE LIST

FORM **MQ325A**

INORGANIC CHEMICALS (SHIPMENTS AND PRODUCTION)

This reference list has been arranged to help you identify and list products on report Form MQ325A, Shipments and Production of Inorganic Chemicals. To assist you in locating specific products, the list has been arranged by major product groupings. Within product groupings, products are generally arranged alphabetically according to the metallic (basis) element. When a compound contains two metallic elements, it should be reported according to the metal-giving properties for which the compound is generally used, such as aluminates under aluminum compounds.

Report all quantities on Short Ton Basis (2,000 lbs.), unless otherwise instructed

Product code	Item code	Item description
3251200100		GASES, COMPRESSED AND LIQUEFIED (<i>Report on MQ325C</i>)
		ALKALIES AND CHLORINE
		Chlorine
3251811111	2111	Gas (including quantities later liquefied) (<i>Basis — 100% Cl</i>)
3251811121	2115	Liquid (also report as gas production) (<i>Basis — 100% Cl</i>)
		Sodium hydroxide (caustic soda) (all processes)
3251814111	2352	Total liquid (<i>Report total production including that converted to and reported as dry</i>) (<i>Basis — 100% NaOH</i>)
		Other alkalis
		Potassium hydroxide (caustic potash)
3251817111	2421	Liquid (include in production quantities of liquid that are later converted to dry or solid) (<i>Basis — 88-92% KOH</i>)
3251817131	2430	Finished sodium bicarbonate (<i>Basis — 100% NaHCO₃</i>)
		INDUSTRIAL INORGANIC CHEMICALS, N.E.C.
		Chlorine bleaches and other inorganic bleaching compounds (produced for sale) (<i>Note: for inorganic bleaches not containing chlorine, report quantity based on equivalent oxidizing value such as active oxygen content.</i>)
325188G1P4	3245	Industrial bleaches, liquid (7 percent or more available chlorine or equivalent oxidizing value) and dry (50 percent or more available chlorine or equivalent oxidizing value) (<i>Basis -- 100% Cl equiv.</i>)
3251881100		Sulfuric acid (<i>Report on MQ325B</i>)
		Inorganic acids, except nitric and sulfuric
		Hydrochloric (including anhydrous)
3251884125	3445	From chlorine and hydrogen (<i>Basis — 100% HCl</i>)
3251884131	3447	Byproduct and other (including from salt and acid) (<i>Basis — 100% HCl</i>)
3251884141	3451	Hydrocyanic (including anhydrous) (<i>Basis — 100% HCN</i>)

REFERENCE LIST — Continued

FORM MQ325A

Report all quantities on Short Ton Basis (2,000 lbs.), unless otherwise instructed

Product code	Item code	Item description
		INDUSTRIAL INORGANIC CHEMICALS, N.E.C. — Continued
3313110100	3511	Aluminum oxide, except natural alumina (<i>Basis — 100% Al_2O_3</i>)
		Other aluminum compounds
3251887121	3617	Chloride, anhydrous (<i>Basis 100% $AlCl_3$</i>)
3251887131	3625	Hydroxide, trihydrate (<i>Basis — 100% $Al_2O_3 \cdot 3H_2O$</i>)
		Sulfate
3251887151	3651	Commercial (<i>Basis — 17% Al_2O_3</i>)
3251887161	3655	Iron-free (<i>Basis — 17% Al_2O_3</i>)
3251887171	3673	Aluminates (sodium aluminate, potassium aluminate, etc.) (<i>Basis — 100% by weight</i>)
		Potassium and sodium compounds (except bleaches, alkalies, and alums)
		Potassium compounds, n.e.c.
325188A111	3703	Iodide (<i>Basis — 100% KI</i>)
325188A117	3708	Tetrapotassium pyrophosphate (<i>Basis — 100% $K_4P_2O_7$</i>)
325188A124	3712	Potassium phosphates (<i>Basis — 100% by weight</i>)
		Sodium compounds, n.e.c.
325188A141	3723	Chlorate (<i>Basis — 100% $NaClO_3$</i>)
325188A147	3729	Hydrosulfide (sodium sulfhydrate) (<i>Basis — 100% $NaSH$</i>)
325188A151	3730	Hydrosulfite
		Phosphate
325188A157	3733	Dibasic (produced for sale) (<i>Basis — 100% Na_2HPO_4</i>)
325188A164	3735	Tetrabasic (pyro) (<i>Basis — 100% $Na_4P_2O_7$</i>)
325188A167	3736	Meta (<i>Basis — 100% $NaPO_3$</i>)
325188A171	3737	Acid Pyro (<i>Basis — 100% $Na_2H_2P_2O_7$</i>)
325188A174	3738	Tripoly (<i>Basis — 100% $Na_5P_3O_{10}$</i>)
325188A177	3739	Other sodium phosphates (including mono- and tribasic)
		Silicates
325188A181	3741	Soluble silicate glass (water glass, solid and liquid) (<i>Basis-Anhydrous</i>)
325188A184	3742	Metasilicate pentahydrate (<i>Basis — 100% $Na_4SiO_3 \cdot 5H_2O$</i>)
325188A187	3744	Metasilicate anhydrous (<i>Basis — 100% Na_2SiO_3</i>)
		Sulfate
325188A1A1	3761	High purity (more than 99% Na_2SO_4) (<i>Basis — 100% Na_2SO_4</i>)
325188A1A7	3784	Sulfite (<i>Basis — 100% Na_2SO_3</i>)
		Other inorganic chemicals, n.e.c.
		Calcium compounds
325188G141	3913	Carbonate (precipitated) (<i>Basis — 100% $CaCO_3$</i>)
325188G144	3922	Chloride (<i>Basis — 100% $CaCl_2$</i>)
		Phosphate
325188G147	3941	Monobasic (21% minimum P) (<i>Basis — 100% $CaH_4(PO_4)_2$</i>)
325188G151	3946	Dibasic (except fertilizer grades) (18.5% minimum P) (<i>Basis — 100% $CaHPO_4$</i>)
		Tribasic (18.0% minimum P)
3253124241	3967	Animal feed grades (defluorinated phosphate rock) (<i>Basis — 100% $Ca_3(PO_4)_2$</i>)

REFERENCE LIST — Continued

FORM **MQ325A**

Report all quantities on Short Ton Basis (2,000 lbs.), unless otherwise instructed

Product code	Item code	Item description
		INDUSTRIAL INORGANIC CHEMICALS, N.E.C. — Continued
		Carbon activated (<i>exclude reactivated</i>)
325998H1E4	3989	Granular carbons (<i>Basis — 100% dry weight</i>)
325998H1E7	3990	Pulverized carbons (<i>Basis — 100% dry weight</i>)
325188G181	4006	Hydrogen peroxide (<i>Basis — 100% by weight</i>)
325188G184	4008	Iodine (<i>Specify crude or resublimed</i>) (<i>Report in pounds</i>) (<i>Basis — 100% I</i>)
		Iron compounds
325188G187	4010	Ferric chloride (<i>Basis — 100% FeCl₂</i>)
325188G191	4011	Iron oxides and hydroxides (excluding iron oxide pigments) (<i>Basis — 100% by weight</i>)
325188G01A1	4036	Magnesium chloride (<i>Basis — 100% MgCl₂</i>)
325188G01B1	4041	Manganese dioxide (<i>Basis — 100% MnO₂</i>)
		Phosphorus compounds
325188G1F1	4061	Oxychloride (<i>Basis — 100% POCl₃</i>)
325188G1F7	4063	Trichloride (chloride) (<i>Basis — 100% PCl₃</i>)
325188G1G7	4101	Silicon tetrachloride (<i>Basis — 100% SiCl₄</i>)
325188G1K1	4110	Sulfur dioxide (produced for sale) (<i>Basis — 100% SO₂</i>)
325188G1M1	4120	Zinc sulfate (<i>Basis — 100% ZnSO₄H₂O</i>)
		INORGANIC COLOR PIGMENTS
3251311100	6111	Titanium dioxide (composite and pure) (<i>Basis — Commodity weight</i>)

8/15/02